IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method for transmitting information from an interrogator system to portable objects[[;]], wherein ~~in this method~~ the information is transmitted through radio carrier wave amplitude modulation over several time intervals, called ~~"pulses"~~ pulses, and with positional coding of these pulses, ~~the characteristics of which are as follows~~ comprising:

[[•]] applying ternary amplitude modulation, ~~is used in which the~~ wherein a first amplitude level [[(B)]] is used with a second amplitude level [[(A)]] that is below the first amplitude level, and a third amplitude level [[(C)]] that is above the first amplitude level, [[(B),]] ~~whereby~~ wherein the ternary amplitude modulation either passes from the first amplitude level [[(B)]] to the second amplitude level [[(A)]] ~~(and is then called negative polarity)~~ or from the first amplitude level [[(B)]] to the third amplitude level [[(C)]] ~~(and is then called positive polarity)~~; and

~~• positional coding is obtained by~~ forming two opposite-polarity pulses ~~(I_1 and I_2)~~ in [[the]] a same pattern to provide positional coding, ~~in which the~~ wherein a position concerned is that of [[the]] a second pulse [[(I_2)]] relative to [[the]] a first pulse [[(I_1)]].

Claim 2 (Currently Amended): [[A]] The method ~~in accordance with~~ of claim 1, ~~whereby~~ wherein the information is grouped into messages made up of a sequence of patterns and ~~whereby~~ each of said patterns is associated with an information symbol and contains a code time area [[(Z)]] divided into N identical time units, each ~~of T_e~~ time unit of length T_c, where T_c at least equals [[the]] a length of ~~the pulses (I_1)~~ a pulse in any of the N time units in the code time area [[(Z)]].

Claim 3 (Currently Amended): [[A]] The method ~~in accordance with~~ of claim 2, ~~whereby the~~ wherein a number N of time units [[(N)]] within the code time area [[(Z)]] equals 2^M, where M is an integer[[;]], and the information symbol transmitted by each pattern ~~then consists in~~ comprises a binary word ~~containing~~ including M bits.

Claim 4 (Currently Amended): [[A]] The method ~~in accordance with~~ of claim 2, ~~whereby~~ wherein each message is structured in frames, each ~~of which~~ frame is made up of a first pattern called [[the]] a Start Of Frame (SOF) marker ~~comprised~~ comprising:

[[of]] a first time area [[(Z)]] divided into N time units; [[(T_c),]]]

a first pulse [[(I_2)]] placed before ~~this~~ the first time area; and

a second pulse, [[(I_2)]] with the same polarity as the first pulse, [[(I_1)]] ~~and,~~ placed within ~~this~~ the first time area, [[the]] wherein said Start of Frame (SOF) marker~~, which~~ is followed by patterns associated with the ~~message's~~ information symbols of a message.

Claim 5 (Currently Amended): [[A]] The method ~~in accordance with~~ of claim 4, ~~whereby~~ wherein the second pulse of the Start Of Frame (SOF) ~~marker's second pulse (I_2)~~ marker is always placed in [[the]] a same time unit in the first time area [[(Z)]].

Claim 6 (Currently Amended): [[A]] The method ~~in accordance with~~ of claim 5, ~~whereby~~ wherein the second pulse of the Start Of Frame (SOF) ~~marker's second pulse (I_2)~~ marker is always placed in [[the]] a last time unit in the first time area [[(Z)]].

Claim 7 (Currently Amended): [[A]] The method ~~in accordance with~~ of claim 4, ~~whereby~~ the frame also ~~contains~~ comprises a last pattern[[,]] called [[the]] an End Of Frame (EOF) marker, ~~made up of~~ said End Of Frame (EOF) marker includes a second time area

[[(Z)]] with no pulse and a pulse [[(I_1)]] placed before said second time area.

Claim 8 (Currently Amended): [[A]] The method ~~in accordance with~~ of claim 4, ~~whereby~~ wherein a first guard time [[(T_{g1})]], [[the]] a duration of which is a multiple [[(K_1)]] of the time unit [[(T_c)]], is placed between the first pulse [[(I_1)]] and the end of the first time area [[(Z)]].

Claim 9 (Currently Amended): [[A]] The method ~~in accordance with~~ of claim 8, ~~whereby~~ wherein a second guard time [[(T_{g2})]], [[the]] a duration of which is a multiple [[(K_2)]] of the time unit [[(T_c)]], is placed after the first time area [[(Z)]].

Claim 10 (Currently Amended): [[A]] The method ~~in accordance with~~ of claim 4, ~~whereby,~~ wherein ~~in each pattern,~~ the time area [[(Z)]] is followed by a wait time [[(T_a)]] in each pattern.

Claim 11 (Currently Amended): [[A]] The method ~~in accordance with~~ of claim 10, ~~whereby the~~ wherein a length of the wait time [[(T_a)]] is modified for different patterns depending on transmission conditions.

Claim 12 (Currently Amended): [[A]] The method ~~in accordance with~~ of claim 10, ~~whereby the~~ wherein a length of the wait time [[(T_a)]] is modified depending on [[the]] a length of the messages that the portable objects retransmit.

Claim 13 (Currently Amended): A method ~~in accordance with~~ as in any one of the ~~above~~ preceding claims, ~~whereby~~ wherein the first pulse [[(I_1)]] is of negative polarity.

Claim 14 (Currently Amended): A method ~~in accordance with any one of the above claims~~ according to one of claims 1-12, ~~whereby the~~ wherein an amplitude modulation index is lower than 50%.